

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	(demodulat\$4) and ((de-map\$4 or demap\$4) near3 (memory or buffer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 13:35
L2	158	(demodulat\$4) same ((de-interleave\$4 or deinterleav\$4) near3 (memory or buffer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 13:36
L3	3	L2 and (deinterleav\$4 or de-interleav\$4) same (systematic same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:26
L4	3	L2 and ((deinterleav\$4 or de-interleav\$4) same (systematic same parity))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 13:39
L5	3	L2 and ((deinterleav\$4 or de-interleav\$4) same (systematic same parity)) and decod\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 13:40
L6	134	((deinterleav\$4 or de-interleav\$4 or de-map\$4 or demap\$4 or de-shuffl\$4 or deshuffl\$4) same (systematic same parity))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 13:41
L7	42	((deinterleav\$4 or de-interleav\$4 or de-map\$4 or demap\$4 or de-shuffl\$4 or deshuffl\$4) same (systematic same parity)) same (stor\$4 or memory or buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:00
L8	21	((deinterleav\$4 or de-interleav\$4 or de-map\$4 or demap\$4 or de-shuffl\$4 or deshuffl\$4) same (systematic same parity)) same (stor\$4 or memory or buffer) and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:09
L9	27	((deinterleav\$4 or de-interleav\$4 or de-map\$4 or demap\$4 or de-shuffl\$4 or deshuffl\$4) same (systematic same parity)) same demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:12
L10	68	((deinterleav\$4 or de-interleav\$4 or de-map\$4 or demap\$4 or de-shuffl\$4 or deshuffl\$4) same (systematic same parity)) and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:14

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L11	13	((deinterleav\$4 or de-interleav\$4 or de-map\$4 or demap\$4 or de-shuffl\$4 or deshuffl\$4) same (systematic same parity)) and (demodulat\$4 near2 (scheme or mode))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:53
L12	37	((deinterleav\$4 or de-interleav\$4) near3 (buffer or memory)) and (systematic and parity) and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:55
L13	64	((deinterleav\$4 or de-interleav\$4) near3 (buffer or memory or stor\$4)) and (systematic and parity) and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 14:55
L14	74	((deinterleav\$4 or de-interleav\$4) near4 (buffer or memory or stor\$4)) and (systematic and parity) and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:04
L15	57	((deinterleav\$4 or de-interleav\$4) near4 (buffer or memory or stor\$4)) and (systematic and parity) and demodulat\$4 and (cod\$4 adj1 rate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:38
L16	1	((de-map\$4 or demap\$4) near4 (buffer or memory or stor\$4)) and (systematic and parity) and demodulat\$4 and (cod\$4 adj1 rate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:15
L17	0	(2003/0126550).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/09 15:16
L18	0	L17 and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/09 15:16
L19	0	(2003/0126550).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/09 15:16
L20	2	("20030126550").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/09 15:16
L21	0	L20 and demodulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/09 15:17

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L22	175	((deinterleav\$4 or de-interleav\$4) near4 (buffer or memory or stor\$4)) and demodulat\$4 and (cod\$4 adj1 rate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:17
L23	63	((deinterleav\$4 or de-interleav\$4) near4 (buffer or memory or stor\$4)) same demodulat\$4 and (cod\$4 adj1 rate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:18
L24	55	L23 not L15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:26
L25	55	L24 and (de-interleav\$4 or deinterleav\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:33
L27	22	(multilevel or multi-level) near2 ("QPSK" or "BPSK")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:37
L28	22	L27 and (multilevel or multi-level)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:37
L29	2813	(demodulat\$4 near2 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:38
L30	75	(demodulat\$4 near2 order) with "3"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:39
L31	5	(demodulation adj1 order) with "3"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:39
L32	21	(demodulation near2 order) with "3"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:40
L33	0	(high adj1 demodulation adj1 order) with "3"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:40
L34	0	(high adj1 demodulation adj1 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:41

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L36	12	(high near3 demodulation adj1 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:42
L37	102	(demodulation adj1 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:42
L38	3	(demodulation adj1 order) same ("QPSK" or "BPSK")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:43
L39	102	(demodulation adj1 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 15:43
L40	2	"20040062318"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 16:45
L41	6	(address near3 (demodulat\$4 near2 (type or scheme or mode)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 16:46
S1	8	(Yu.in. or Ha.in. or Kim.in.) and (demodulat\$4 and deshuffl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/27 10:50
S2	8	(Yu.in. or Ha.in. or Kim.in.) and (demodulat\$4 and deshuffl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 16:13
S3	4	("4523323" "5233479").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:00
S4	2983	375/324.ccls. or 341/81.ccls. or 714/6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:04
S5	0	S4 and ((multilevel or multi-level) same demodulat\$4) and (deinterleav\$4 same map\$4 same reliability) and (systematic same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:06

## EAST Search History

S6	0	S4 and ((multilevel or multi-level) same demodulat\$4) and deinterleav\$4 and (map\$4 same reliability) and (systematic same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:06
S7	5	(multilevel or multi-level) and deinterleav\$4 and (map\$4 same reliability) and (systematic same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:07
S8	7	(multilevel or multi-level) and (map\$4 same reliability) and (systematic same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:11
S9	1	(multilevel or multi-level) and (map\$4 same reliability) and (parity) and ((demap\$4 or de-map\$4) same (stor\$4 or memory))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:12
S10	1	(multilevel or multi-level) and (map\$4 same reliability) and (parity) and ((demap\$4 or de-map\$4) and (stor\$4 or memory))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:12
S11	57	(multilevel or multi-level) and (map\$4 same reliability) and (parity) and (stor\$4 or memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:13
S12	45	S11 and ((stor\$4 or memory) same address)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:17
S13	3	S11 and ((stor\$4 or memory) same address same (modulat\$4 or demodulat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:15
S14	1049	((demap\$4 or de-map) same (demodulat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:18
S15	451	((demap\$4 or de-map) same (demodulat\$4) same (stor\$4 or memory))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:18
S16	10	S15 and (multi-level or multilevel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:20

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S17	7	(multi-level or multilevel) and ((multiple or plurality) adj3 (demodulat\$4)) and (map\$4 same interleav\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:22
S18	70	(multi-level or multilevel) and ((multiple or plurality) adj3 (demodulat\$4)) and (map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:22
S19	21	(multi-level or multilevel) and ((multiple or plurality) adj3 (demodulat\$4)) and (map\$4) and parity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:26
S20	29	(multi-level or multilevel) and ((multiple or plurality) adj3 (modulat\$4)) and (map\$4) and parity and interleav\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:29
S21	16	S20 not S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:26
S22	54	(multi-level or multilevel) and (((different\$4) adj3 (modulat\$4 or demodulat\$4)) and (map\$4) and parity and interleav\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 11:29
S23	986	(stor\$4 near4 parity adj1 (bits or symbols))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:38
S24	1	(stor\$4 near4 parity adj1 (bits or symbols)) and ((de-map\$4 or demap\$4) near3 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:38
S25	1	(stor\$4 near4 parity adj1 (bits or symbols)) and ((de-map\$4 or demap\$4) near5 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:40
S26	5	((de-map\$5 or demap\$5) same (different near3 demodulat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:49
S27	0	((de-shuffl\$4\$5 or deshuffl\$4\$5) same (different near3 demodulat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:50
S28	86	(systematic same reliability same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:54

## EAST Search History

S29	0	S28 and ((different or plurality or multiple) near3 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:53
S30	2	S28 and ((different or plurality or multiple) near3 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:54
S31	258	(map\$4 with (parity adj1 bits))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:55
S32	8	S31 and ((different or plurality or multiple) near3 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:55
S33	2670	(map\$4 same parity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:55
S34	58	S33 and ((different or plurality or multiple) near4 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:56
S35	52	S34 and (store or memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/27 18:56
S36	14	(demodulat\$4) and ((de-map\$4 or demap\$4) near3 (memory))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/09 13:13
S37	37	(demodulat\$4) and ((de-shuffl\$4 or deshuffl\$4) near3 (memory))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/08 15:55
S38	37	S37 not S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/08 15:55